

New York State Department of Transportation

Yellow Flag NB2258W002

By: Alex Abreu

Flag Date: June 10, 2022

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: June 10, 2022 11:00:00 AM

Of: NYSDOT Region 11

Signature Information

Signature: Alex Abreu, P.E. 099761-1

Date: July 11, 2022

Reviewed By: Robert Kemp

Date: July 11, 2022

Attachments: 6

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 142			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	34	each

Flagged Condition Description

This Yellow Flag No. NB2258W002 is NEW.

Location: Span 142, Stringer S2 at Pier 142 over 3rd Avenue Eastbound.

Description: The end of Stringer S2 on Span 142 side of Pier 142 exhibits a vertical crack in the fillet of the right connection angle for 5" long starting at the top of the angle at the face of the stringer (Photo 4). The bottom flange of the stringer exhibits 25% section loss for the full width of the flange for 1' long adjacent to the bearing (Photo 6). The right side of the bottom flange exhibits 40% section loss for 24"L x 4"W at the edge of the flange starting at approximately 3ft from the stringer end. The stringer web has previously installed steel reinforcement plates which exhibit no significant defects. The left connection angle at the stringer exhibits no significant defects. (Photo 5) The bearing plates below the stringer exhibit moderate corrosion.

This is a new flag.

Notes:

1. Stringer S2 receives no direct live loading, but supports the barrier/railing above on I278.
2. The adjacent Girder G15 is in fair condition.
3. A double left lane closure at 3rd Avenue In-Bound (Hugh Carey Tunnel), between 43rd and 44th Streets, and a 35' bucket truck are required to access this location.

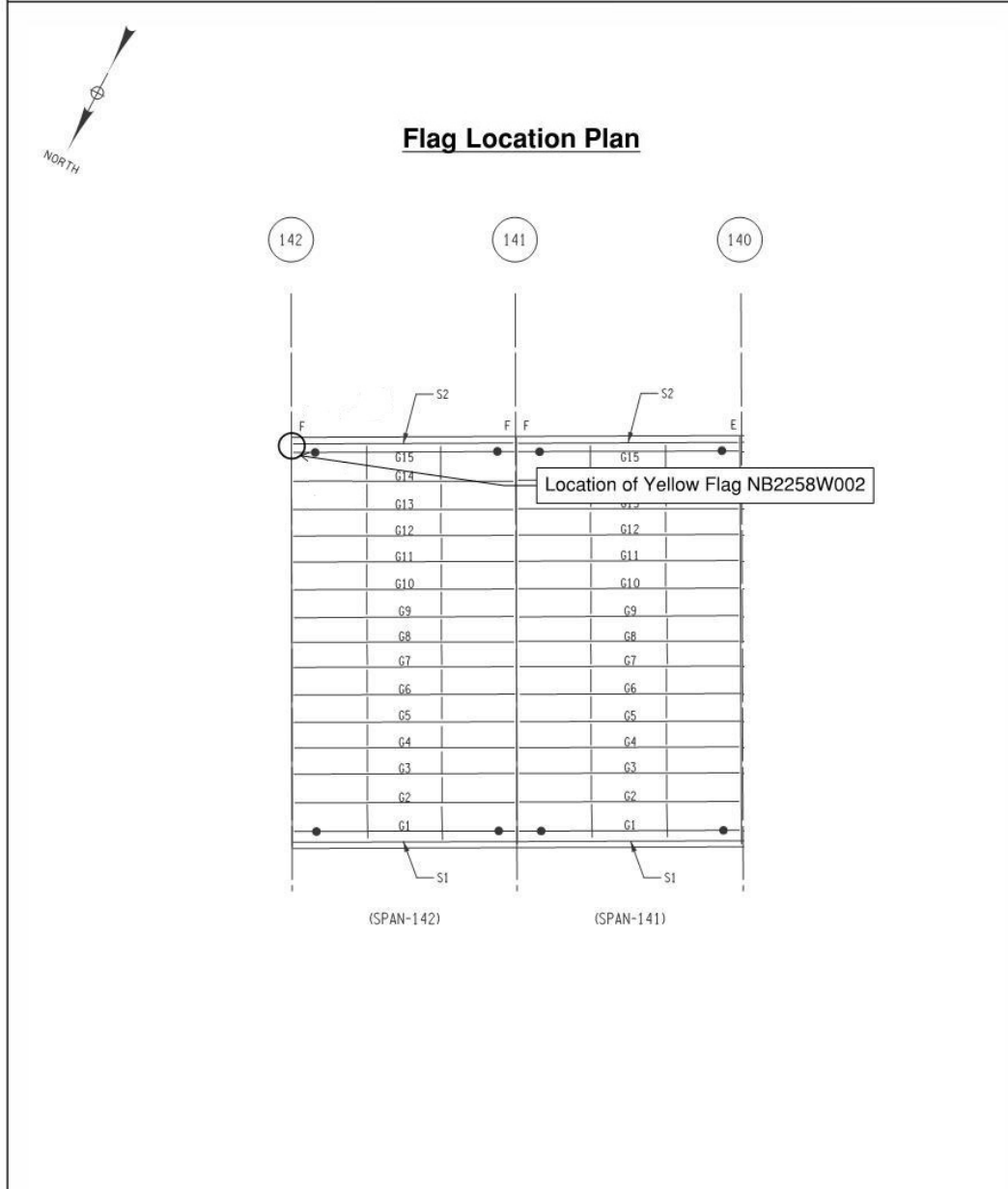
Flag PhotographsPhoto Number: **1**Photo Filename: **22_Flag Location Plan.jpg**Gowanus Expressway
2022 Biennial Inspection - Field SketchBIN: 1065318Team: AA/TSDate: 06/10/2022Span: 142Location: Stringer S2 at Pier 142**wsp****Attachment Description: Flag Location Plan**

Photo Number: 2

Photo Filename: 22_Span 142_Pier 142_Stringer S2_Connection

Gowanus Expressway
2022 Biennial Inspection - Field Sketch

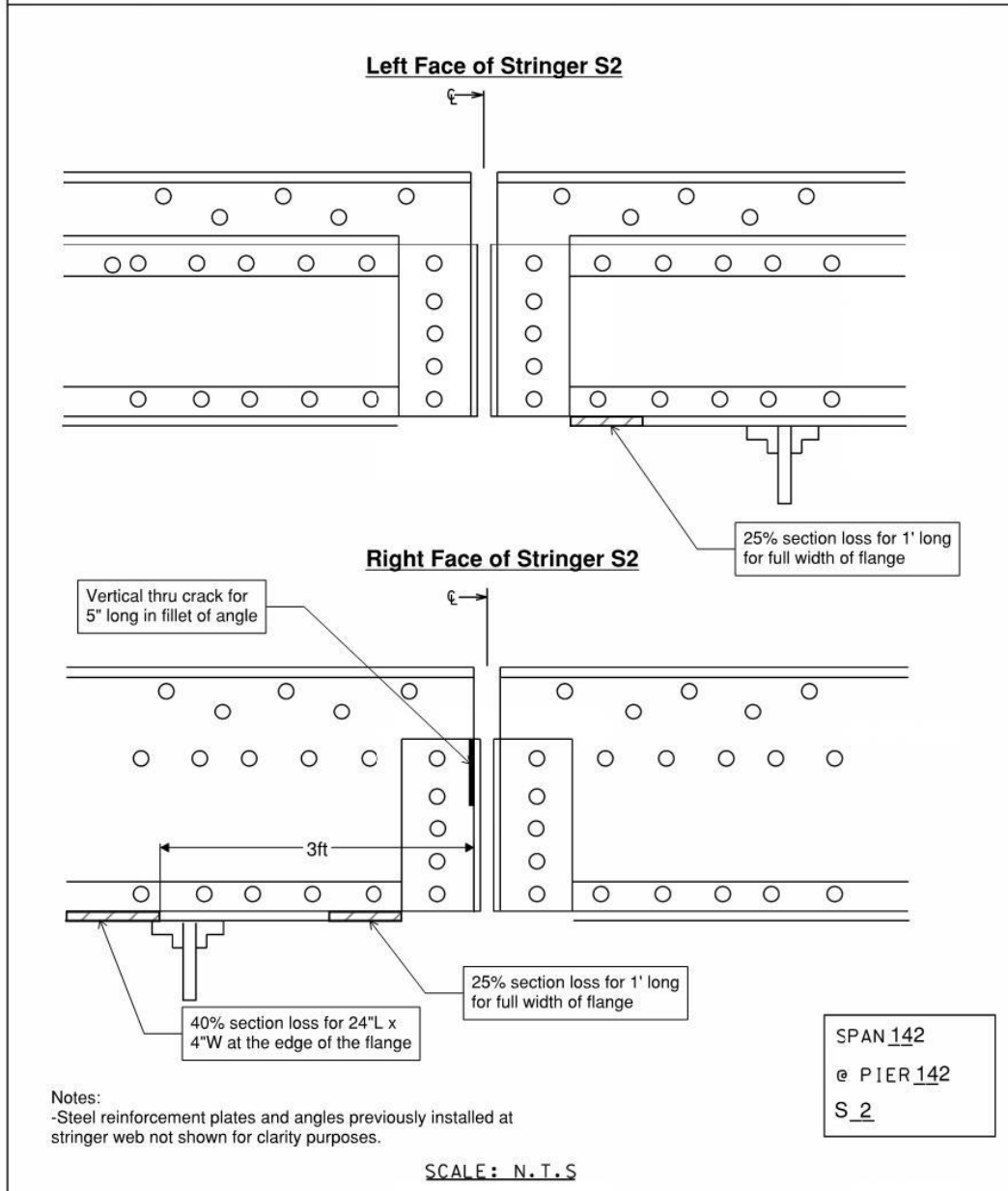
BIN: 1065318

Team: AA/TS

Date: 06/10/2022

Span: 142

Location: Stringer S2 at Pier 142

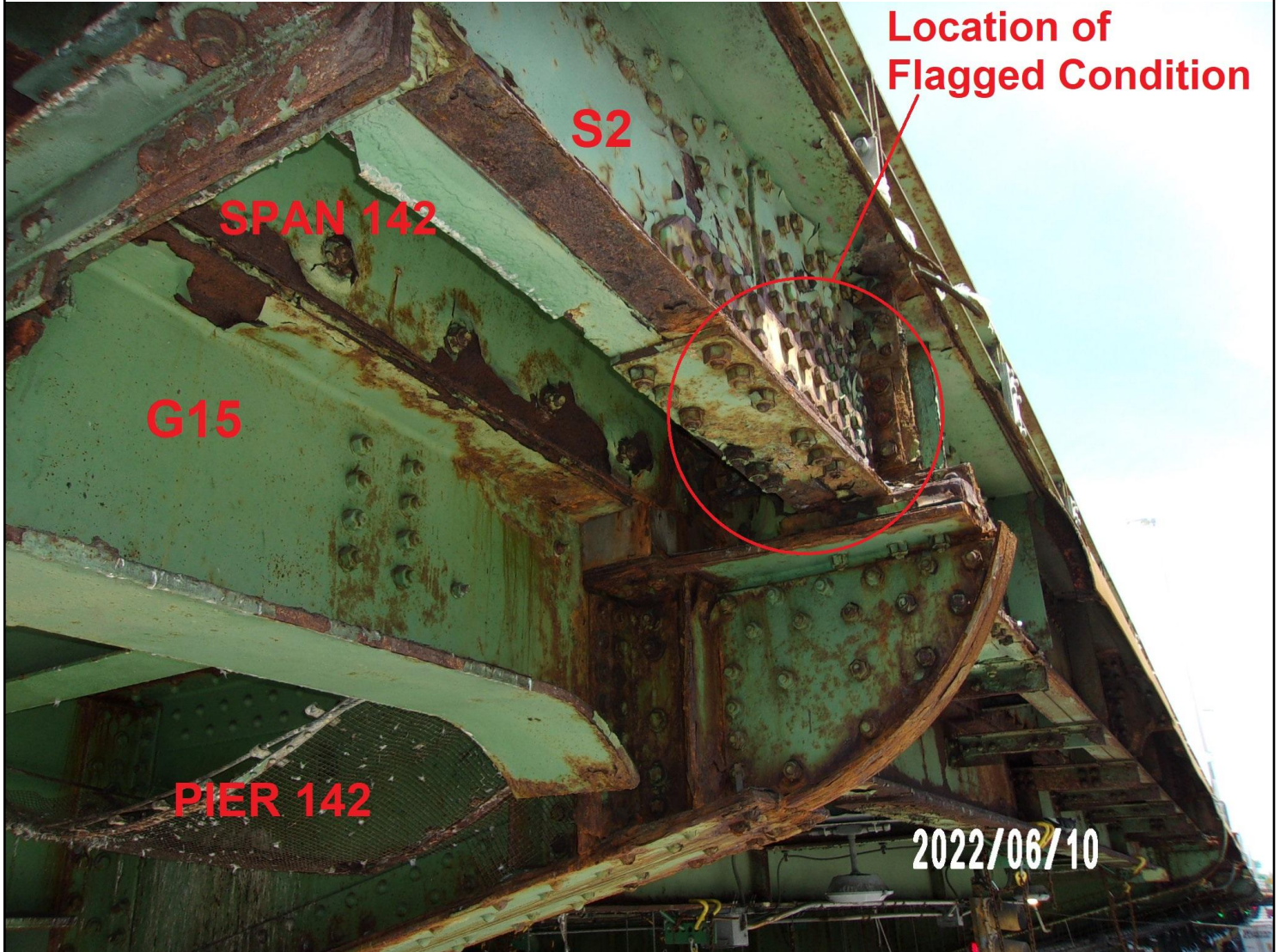


wsp

Attachment Description: Yellow Flag Condition Sketch

Photo Number: 3

Photo Filename: 22_113_0191.JPG



Attachment Description: General view of Stringer S2 in Span 142 at Pier 142. Looking End and Left.

Photo Number: 4

Photo Filename: 22_113_0184.JPG



Attachment Description: The right face of Stringer S2 in Span 142 at Pier 142. The right connection angle exhibits 5" long vertical crack along the fillet of the angle starting at the top of the angle. Looking End and Left.

Photo Number: 5

Photo Filename: 22_113_0186.JPG



Attachment Description: The left face of Stringer S2 in Span 142 at Pier 142. General view of the steel reinforcement plates and angles and left connection angle at the face of the stringer. Looking End and Right.

Photo Number: 6

Photo Filename: 22_113_0185.JPG



Attachment Description: The bottom of Stringer S2 in Span 142 at Pier 142. The bottom flange exhibits 25% section loss for the full width of the flange adjacent to the bearing. Looking End and Right.